

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT

Application:

1 – (currently amended) A RF bandpass filter with pseudo-elliptic response, of the type comprising including a waveguide (301) furnished with an insulating substrate (302) placed in an E-plane of the guide and comprising on one of its faces inductive conducting inserts (303–306) connected electrically to the internal faces of the guide which support the substrate and which through their dimensions and their locations on the substrate determine a Chebyshev type filter response curve, characterized in that it furthermore comprises and at least one electrically floating insert (314) placed on the other face of the substrate and which through its dimensions and its location on the substrate determines a transmission zero in the response curve of the filter making it possible to attenuate the frequencies situated in the vicinity of this zero and determining the pseudo-elliptic nature of the response curve of the filter.

2 – (currently amended) Filter The filter according to claim 1, characterized in that it wherein the filter comprises a set of floating inserts (314–315) determining a set of transmission zeros.

3 – (currently amended) Filter The filter according to any one of claims 1 and 2, characterized in that claim 1, wherein the number of floating inserts (314–315) is equal to the number of conducting inserts (303–306).

4 – (currently amended) Filter The filter according to any one of claims 1 to 3, characterized in that claim 1, wherein each floating insert (314–315) is placed opposite a conducting insert (303–306).

5 – (currently amended) ~~Filter~~ The filter according to ~~any one of claims 1 to 4,~~
~~characterized in that~~ claim 1, wherein the waveguide (301) is of rectangular cross
section and that the substrate (302) is placed in a median longitudinal position in this
guide.

6 – (currently amended) ~~Filter~~ The filter according to ~~one of claims 1 to 5,~~
~~characterized in that~~ claim 1, wherein each inductive insert is connected electrically to
two opposite sides of the waveguide.

7 – (currently amended) ~~Filter~~ The filter according to ~~any one of claims 1 to 6,~~
~~characterized in that~~ it claim 1, wherein is adapted to operate in a millimetre wave
range.